

Plasmid: NFIF14B
Amino Acids: 453

MALVRALVCCLLTAWHCRSG	20
LGLPVAPAGGRNPPPAIGQF	40
WHVTDLHLDPTYHITDDHTK	60
VCASSKGANASNPGPFGDVL	80
CDSFYQLILSAFDFIKNSGQ	100
EASFMIWTGDSPPHVPVPEL	120
STDTVINVITNMTTTTIQSLF	140
PNLQVFPALGNHDYWPQDQL	160
SVVTSKVYNAVANLWKPWLD	180
EEAISTLRKGGFYSSQKVTTN	200
PNLRIISLNTNLYYGNIMT	220
LNKTDPANQFEWLESTLNNS	240
QQNKEKVYIIAHVPVGYLPS	260
SONITAMREYYNEKLIDIFQ	280
KYSDVIAGQFYGHTHRDSIM	300
VLSDKKGSPVNSLFVAPAVT	320
PVKSVLEKQTNNPGIRLFQY	340
DPRDYKLLDMLQYYLNLTEA	360
NLKGESIWKLEYILTQTYDI	380
EDLPESLYGLAKQFTILDS	400
KQFIKYYNYFFVSYDSSVTC	420
DKTCKAFQICAIMNLDNISY	440
ADCLKQLYIKHNY	460

FIGURE 1

Plasmid: NFIF7A
Amino Acids: 364

MALVRALVCCLLTAWHCRSG	20
LGLPVAPAGGRNPPPAIGQF	40
WHVTDLHLDPTYHITDDHTK	60
VCASSKGANASNPGPFGDVL	80
CDSPLYQLILSAFDFIKNSGQ	100
EASEMIWTGDSPPHVPVPEL	120
STDTVINVITNMTTTIQSLF	140
PNLQVFPALGNHDYWPQVYI	160
IAHVPVGYLPSSQNITAMRE	180
YYNEKLIDIFQKYS DVIAGQ	200
FYGHTHRDSIMVLSDKKGSP	220
VNSLFVAPAVTPVKS VLEKQ	240
TNNPGIRLFQYDPRDYKLLD	260
MLQYYLNLTEANLKGESIWK	280
LEYILTQTYDIEDLPESLY	300
GLAKQFTILDSKQFIKYNY	320
FFVSYDSSVTCDKTCKAFQI	340
CAIMNLDNISYADCLKQLYI	360
KHNY	380

FIGURE 2.

1	ATGGCGCTGGTGC	CGCGCACTCGTCTGCTGCCTGCTGACTGCCTGGCACTG	NFIF14B
1	ATGGCGCTGGTGC	CGCGCACTCGTCTGCTGCCTGCTGACTGCCTGGCACTG	NFIF7A
51	CCGCTCCGGCCTCGGGCTGCCCGTGGCGCCCGCAGGCGGGCAGGAATCCTC		NFIF14B
51	CCGCTCCGGCCTCGGGCTGCCCGTGGCGCCCGCAGGCGGGCAGGAATCCTC		NFIF7A
101	CTCCGGCGGATAGGACAGTTTTTGGCATGTGACTGACTTTACACTTAGACCCCT		NFIF14B
101	CTCCGGCGGATAGGACAGTTTTTGGCATGTGACTGACTTTACACTTAGACCCCT		NFIF7A
151	ACTTACCACATCACAGATGACCACACAAAAGTGTGTGCTTCATCTAAAGG		NFIF14B
151	ACTTACCACATCACAGATGACCACACAAAAGTGTGTGCTTCATCTAAAGG		NFIF7A
201	TGCAAATGCCTCCAACCCTGGCCCTTTTGGAGATGTTCTGTGTGATTCTC		NFIF14B
201	TGCAAATGCCTCCAACCCTGGCCCTTTTGGAGATGTTCTGTGTGATTCTC		NFIF7A
251	CATATCAACTTATTTTTGTGAGCATTTGATTTTATTAAAAAATTCTGGACAA		NFIF14B
251	CATATCAACTTATTTTTGTGAGCATTTGATTTTATTAAAAAATTCTGGACAA		NFIF7A
301	GAAGCATCTTTTCATGATATGGACAGGGGATAGCCACCTCATGTTCCCTGT		NFIF14B
301	GAAGCATCTTTTCATGATATGGACAGGGGATAGCCACCTCATGTTCCCTGT		NFIF7A
351	ACCTGAACTCTCAACAGACACTGTTATAAAATGTGATCACTAATATGACAA		NFIF14B
351	ACCTGAACTCTCAACAGACACTGTTATAAAATGTGATCACTAATATGACAA		NFIF7A
401	CCACCATCCAGAGTCTCTTTCCAAATCTCCAGGTTTTTCCCTGCGCTGGGT		NFIF14B
401	CCACCATCCAGAGTCTCTTTCCAAATCTCCAGGTTTTTCCCTGCGCTGGGT		NFIF7A
451	AATCATGACTATTGGCCACAGGATCAACTGTCTGTAGTCACCAGTAAAGT		NFIF14B
451	AATCATGACTATTGGCCACAGG-----		NFIF7A
501	GTACAAATGCAGTAGCAAACCTCTGGAAACCATGGCTAGATGAAGAAGCTA		NFIF14B
473	-----		NFIF7A
551	TTAGTACTTTAAGGAAAGGTGGTTTTTTATTTCACAGAAAGTTACAACCTAAT		NFIF14B
473	-----		NFIF7A
601	CCAAACCTTAGGATCATCAGTCTAAACACAAACTTGTACTACGGCCCAA		NFIF14B
473	-----		NFIF7A
651	TATAATGACACTGAACAAGACTGACCCAGCCAACCAGTTTGAATGGCTAG		NFIF14B
473	-----		NFIF7A
701	AAAGTACATTGAACAACCTCTCAGCAGAATAAGGAGAAAGGTGTATATCATA		NFIF14B
473	-----TGTATATCATA		NFIF7A
751	GCACATGTTCCAGTGGGGTATCTGCCATCTTCACAGAACATCACAGCAAT		NFIF14B
484	GCACATGTTCCAGTGGGGTATCTGCCATCTTCACAGAACATCACAGCAAT		NFIF7A
801	GAGAGAATACTATAAATGAGAAATTGATAGATATTTTTTCAAAAATACAGTG		NFIF14B
534	GAGAGAATACTATAAATGAGAAATTGATAGATATTTTTTCAAAAAGTACAGTG		NFIF7A
851	ATGTCATTGCAGGACAATTTTATGGACACACTCACAGAGACAGCATTATG		NFIF14B
584	ATGTCATTGCAGGACAATTTTATGGACACACTCACAGAGACAGCATTATG		NFIF7A
901	GTTCTTTTCAGATAAAAAAAGGAAGTCCAGTAAATTCTTTGTTTGTGGCTCC		NFIF14B
634	GTTCTTTTCAGATAAAAAAAGGAAGTCCAGTAAATTCTTTGTTTGTGGCTCC		NFIF7A

FIGURE 3

951	TGCTGTTACACCAGTGAAGAGTGTTTTTAGAAAAACAGACCAACAATCCTG	NFIF14B
684	TGCTGTTACACCAGTGAAGAGTGTTTTTAGAAAAACAGACCAACAATCCTG	NFIF7A
1001	GTATCAGACTGTTTTCAGTATGATCCTCGTGATTATAAATTATTGGATATG	NFIF14B
734	GTATCAGACTGTTTTCAGTATGATCCTCGTGATTATAAATTATTGGATATG	NFIF7A
1051	TTGCAGTATTACTTTGAATCTGACAGAGGCGAATCTAAAGGGAGAGTCCAT	NFIF14B
784	TTGCAGTATTACTTTGAATCTGACAGAGGCGAATCTAAAGGGAGAGTCCAT	NFIF7A
1101	CTGGAAGCTGGAGTATATCCTGACCCAGACCTACGACATTGAAGATTTGC	NFIF14B
834	CTGGAAGCTGGAGTATATCCTGACCCAGACCTACGACATTGAAGATTTGC	NFIF7A
1151	AGCCGGAAAGTTTATATGGATTAGCTAAACAATTTACAATCCTAGACAGT	NFIF14B
884	AGCCGGAAAGTTTATATGGATTAGCTAAACAATTTACAATCCTAGACAGT	NFIF7A
1201	AAGCAGTTTTATAAAATACTACAATTACTTCTTTGTGAGTTATGACAGCAG	NFIF14B
934	AAGCAGTTTTATAAAATACTACAATTACTTCTTTGTGAGTTATGACAGCAG	NFIF7A
1251	TGTAACATGTGATAAGACATGTAAGGCCTTTCAGATTTGTGCAATTATGA	NFIF14B
984	TGTAACATGTGATAAGACATGTAAGGCCTTTCAGATTTGTGCAATTATGA	NFIF7A
1301	ATCTTGATAAATATTTTCCTATGCAGATTGCTCAAACAGCTTTATATAAAG	NFIF14B
1034	ATCTTGATAAATATTTTCCTATGCAGATTGCTCAAACAGCTTTATATAAAG	NFIF7A
1351	CA CAATTACTAG	NFIF14B
1084	CA CAATTACTAG	NFIF7A

FIGURE 3 (CONT'D)

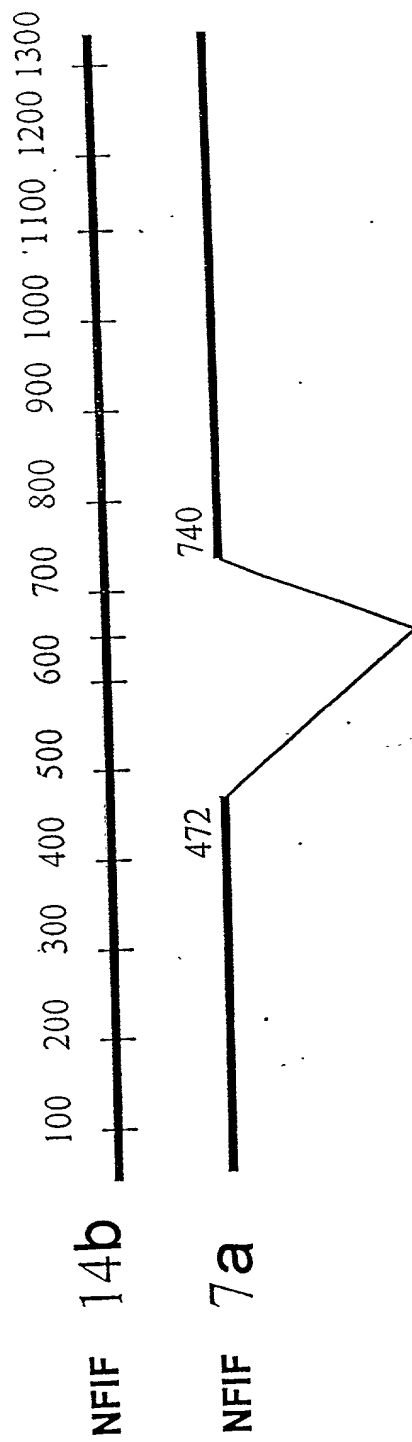


FIGURE 4

NFκB Reporter with NFIF

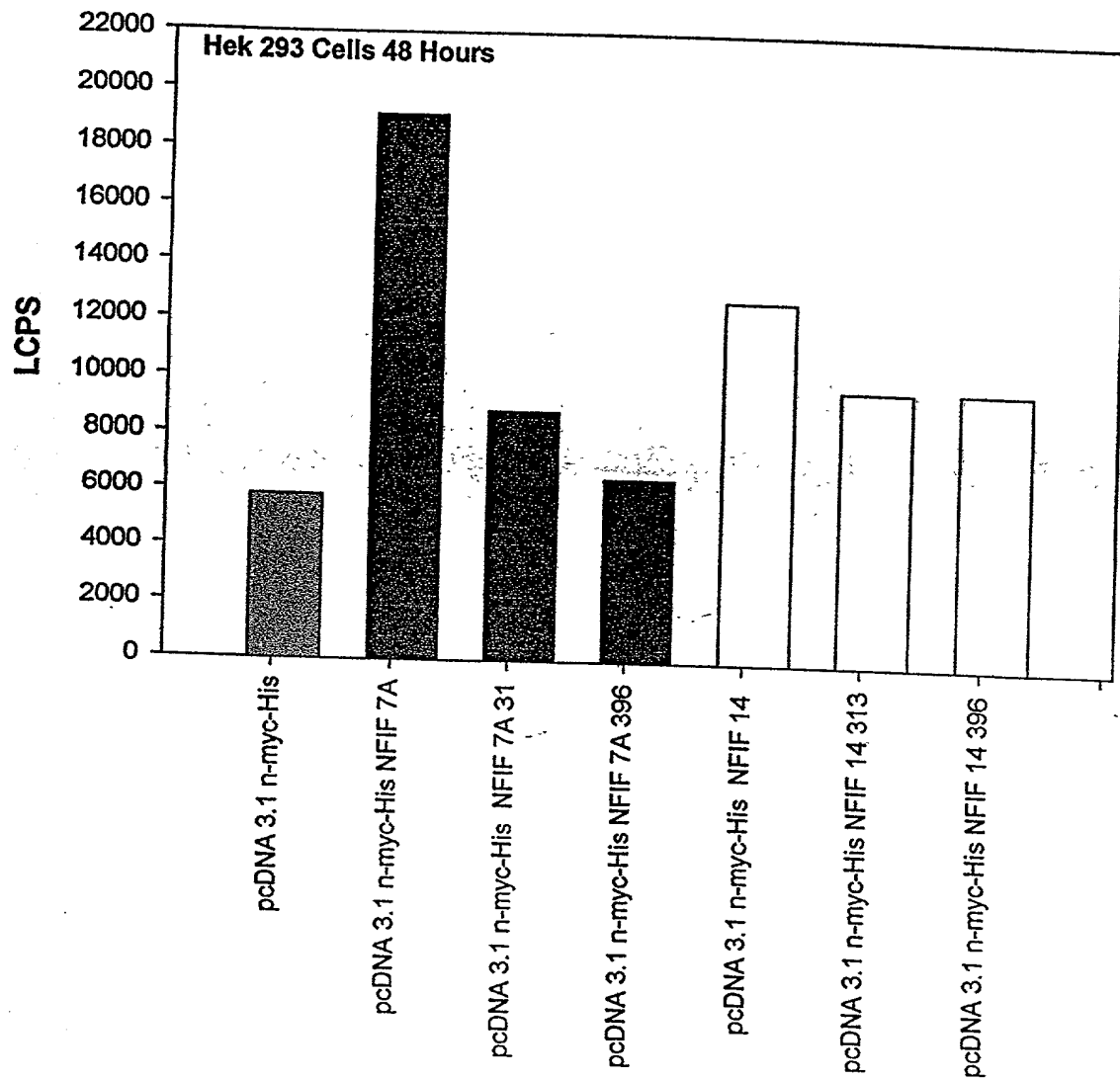


FIGURE 5

NF κ B Reporter with NFIF

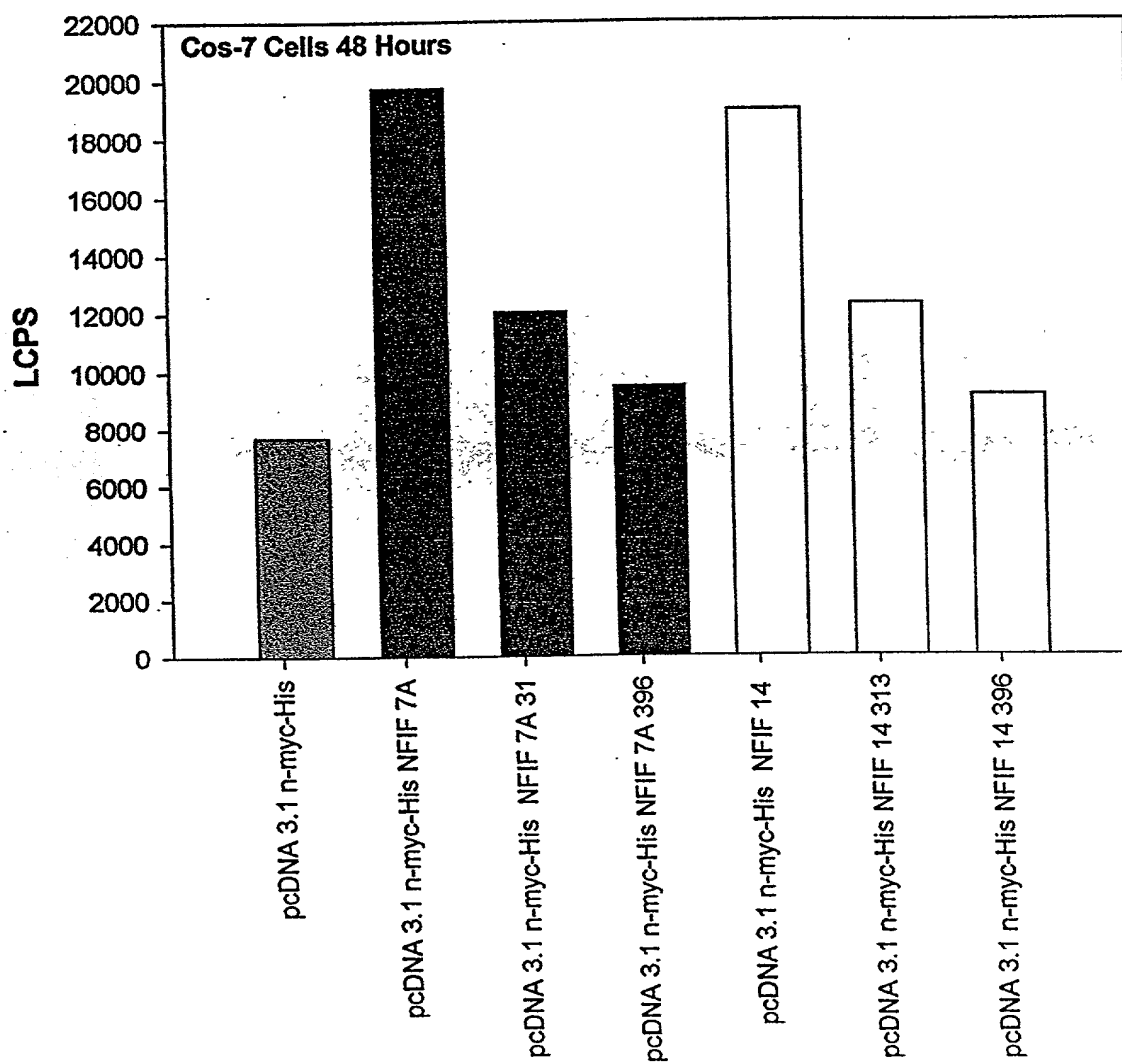


FIGURE 6

SKGANASNPFGDV

FIGURE 7

033004 033004 033004

brain
heart
skeletal muscle
colon
thymus
spleen
kidney
liver
small intestine
placenta
lung
pml

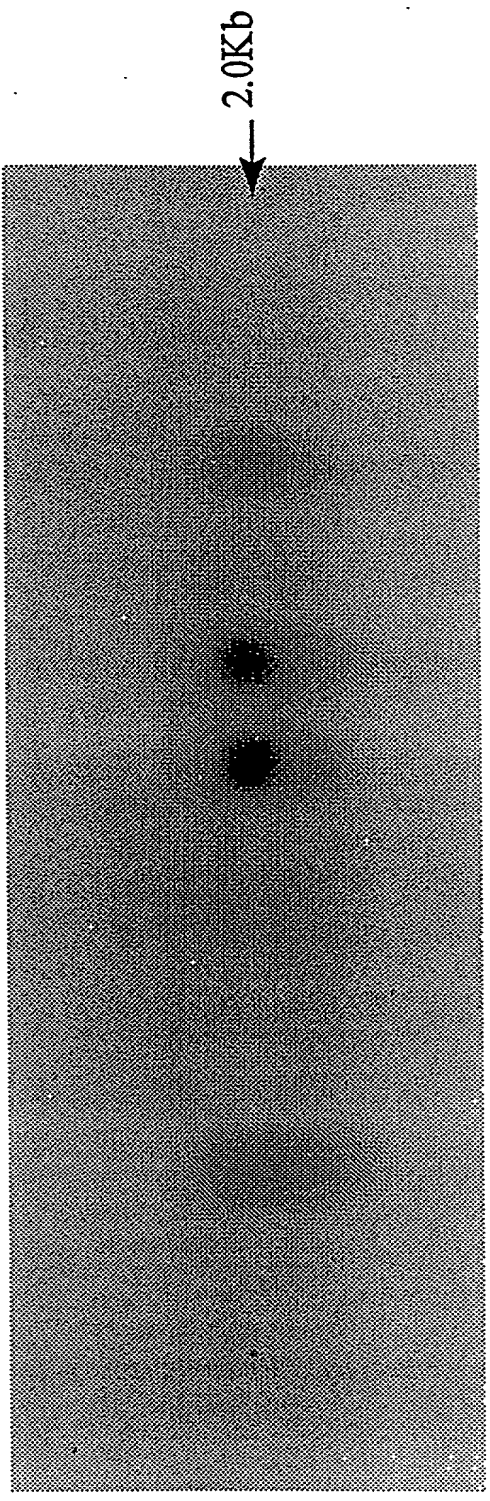


FIGURE 8